

Stemium Bm 22.

Renamed

"HUNNIE"

No name



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Lloyd's Register
Foundation

W5110196

10.9.10
22.11.10
15.6.11
13.7.11
28.7.11

PROFILE

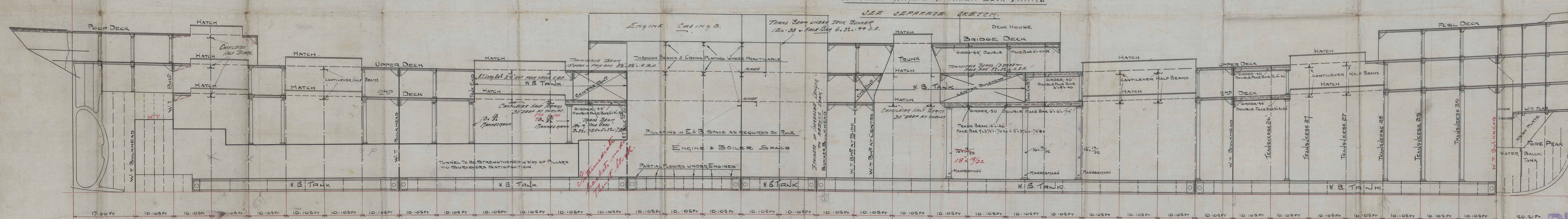
DIMENSIONS: LENGTH B.P. 401'-0" BREADTH M.P. 53'-6" DEPTH M.P. 31'-0"

ISHERWOOD SYSTEM (PATENT)

SCALE 1/8" = ONE FOOT

King Pillars UNDER DECKHOUSE TO SURVEYORS SATISFACTION.

FOR ARRANGEMENTS OF TWEEN DECK TANKS
SEE SEPARATE SKETCH.



MESSRS. A.G. WESER
BREMEN.

Note... Crown plates & transverse brackets
at heads of all pillars which are
not directly below main transverse.

BOTTOM LONGS GRADUATED FROM 30 AT FORE HOLD BHD
TO 21 AT COLLISION BHD.

C.B.
10.9.10.

C.J.
10.9.10.

SS. 178.

RETAIN

Steintung
Am. 22.

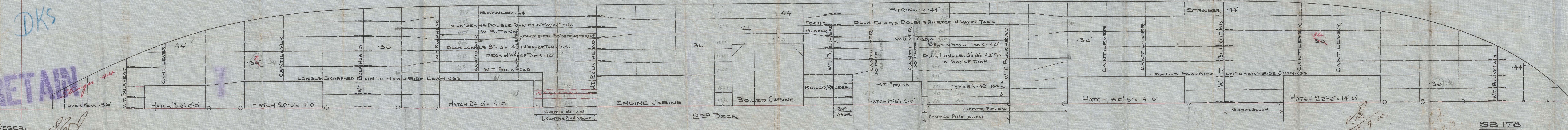
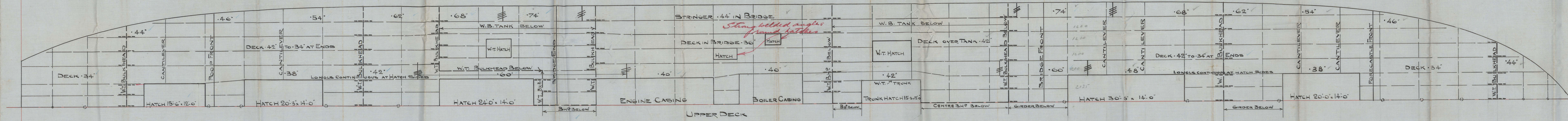
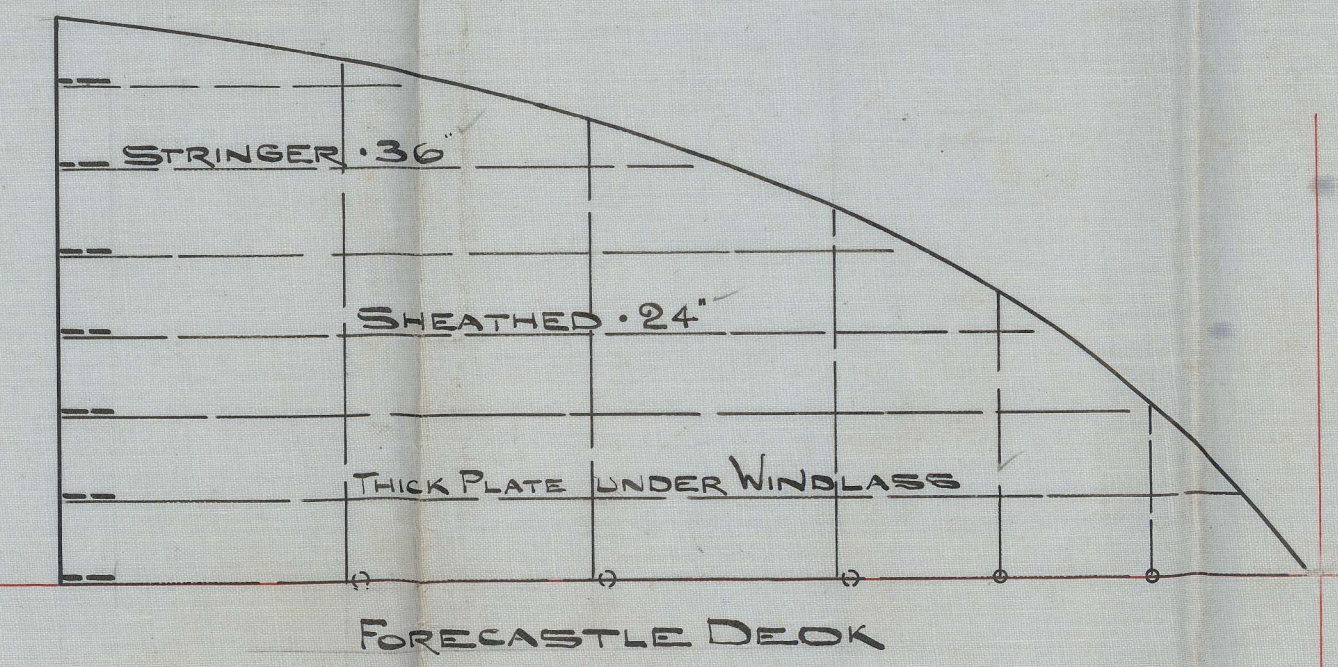
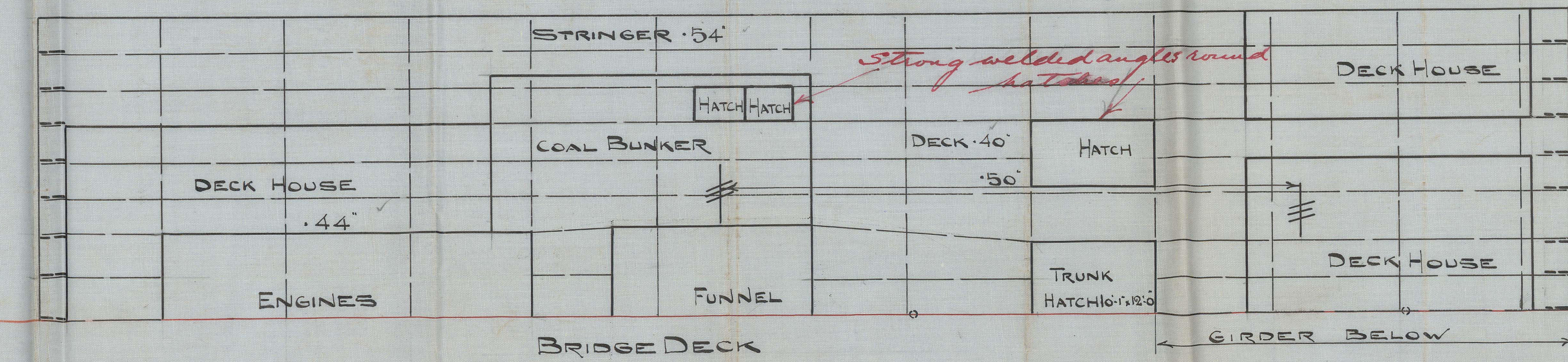
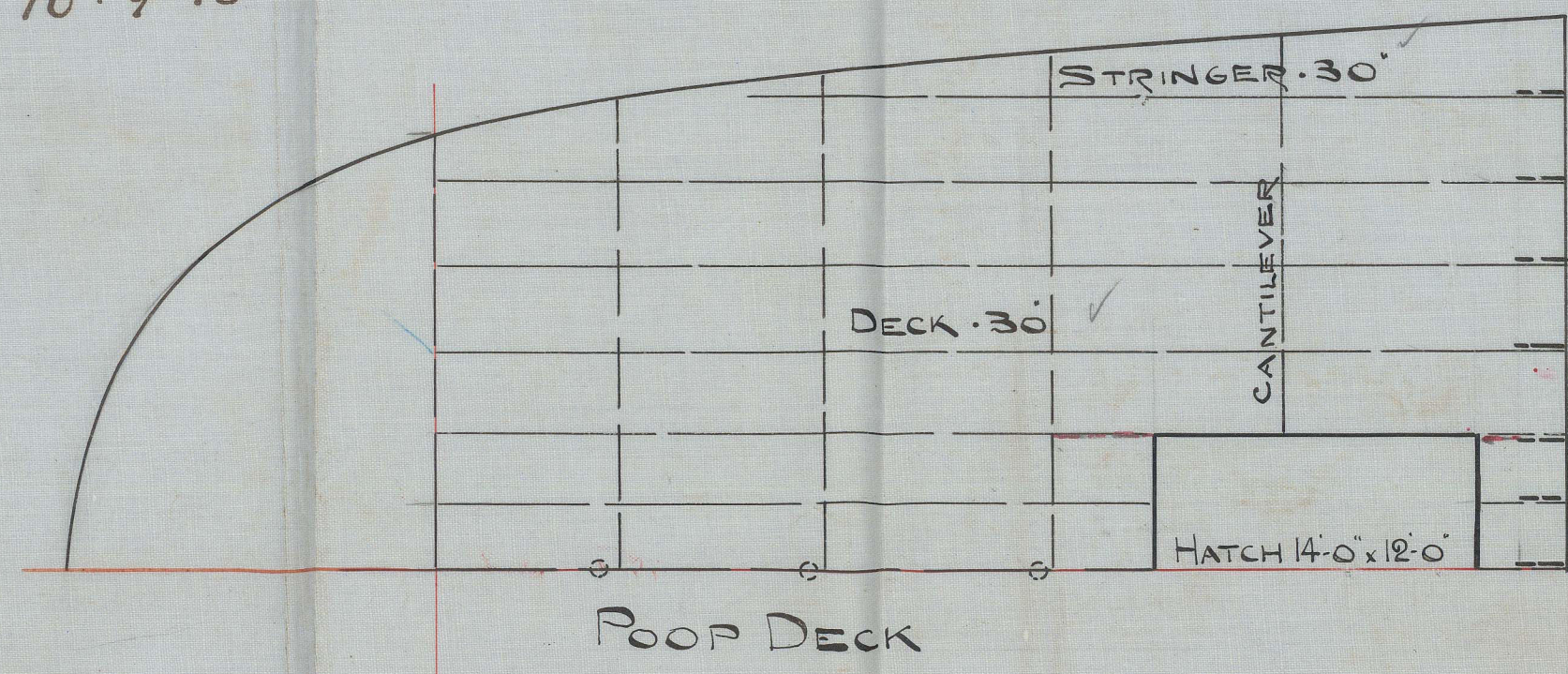
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DECK PLANS

LENGTH 340'-0" BREADTH 53'-6" DEPTH 31'-0"
SCALE 1/8" = ONE FOOT

ISHERWOOD SYSTEM (PATENT)

10.9.10



MESSRS A.G. WESER
BREMEN
1/9/10

10.9.10

SS 178.

Grammar Section

Act. Sec. Order No 178

Grammar Rpt. No. _____

M/S

RETAIN



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W 1599-01 95

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Midship Section.

Length B.P. 401'-0" x 53'-6" Mid. x 31'-0" Depth Mid.
Scale 1/2" = One foot.

10.9.10
20.9.10
21.10.10
22.11.10
18.4.11
15.6.11
13.7.11
28.7.11

Bridge 5'5" x 60' Poop & Jersle 3 1/2' x 3 1/2' x 36'

Bridge .64
Poop .38
Jersle .42

6' x 3 1/2' x 4' to .36' B.A.

Bridge .62 Poop .38 Jersle .42

6' x 3 1/2' x 4' to .36' B.A.

Carried down to deck at Bridge ends.

5' x 5' x .66 in Wells. 3 1/2' x 3 1/2' x .48-.44 in overhangs.

1.0' at Bridge ends.
.60 in way of Bridge
.44 at ends of Vessel.
6' x 3 1/2' x 4' to .36' B.A.

In Bridge .60. Clear of Bridge .70 to .44 at ends.

6' x 3 1/2' x 4' to .36' B.A.
in Bridge .60

3 1/2' x 3 1/2' x .48-.44

7' x 3 1/2' x 4' to 6' x 3 1/2' x 4' B.A.

7 1/2' x 3 1/2' x 4' to 7' x 3 1/2' x 4' B.A.

8' x 3 1/2' x 4' B.A. to 7 1/2' x 3 1/2' x 4' B.A.

Sides .60-.44

8 1/2' x 3 1/2' x .48 to .44 B.A. 8' x 3 1/2' x .44 B.A.

Additional Double attachment in forehold.

8 1/2' x 3 1/2' x .48 to .44 B.A.

9 1/2' x 3 1/2' x .46 - 9' x 3 1/2' x .46 B.A.

Double attachment all fore and aft

9 1/2' x 3 1/2' x .54 - .5' B.A.

7' x 3 1/2' x 4' - .38 B.A. where supported by intermediate bracket.

7' x 3 1/2' x 4' - .38 B.A. Ditto.

7' x 3 1/2' x 4' - .38 B.A. Ditto.

Sketches determined on assumption that spacing is 30" to allow for shear at ends.

Deck longitudinals. 5 1/2' x 3' x .36 to .34' B.A.

Deck .4

3' x 3' x .4

Trans. beams 11' x .38

Face bar 8 1/2' x 3 1/2' x .48 B.A.

Trans. beam and in way of Casings 10' x .38

Face bar 5' x 3 1/2' x .40 o.a.

Deck longitudinals 6' x 3' x .38 to 6' x 3' x .38 B.A.

Deck .36 in Bridge. .42 in Wells to .34 ends.

3' x 3' x .4

Trans. beam 12' x .38

Face bar 8 1/2' x 3 1/2' x .60 B.A.

Trans. beams in way of Casings 12' x .38

Face bar 6' x 3 1/2' x .44 o.a.

For Sizes of Trans. beams at hatch sides, see separate plan.

Deck longitudinals 7' x 3' x .42 to 6' x 3' x .42 B.A.

Deck .36-.3

3' x 3' x .4

Trans. beam 12' x .40

Face bar 9' x 3 1/2' x .7' B.A.

Trans. beams in way of Casings 12' x .40

Face bar 9' x 3 1/2' x .70 B.A.

For Sizes of Trans. beams at hatch sides, see separate plan.

Side Transverses Spaced 10'-0" apart and as per profile.

24' x .46 to upper butt.

Face bar 9' x 3 1/2' x .70 B.A.

Shell attachment Single 5' x 5' x .46 with two complete rows of 7/8" rivets, spaced 5' apart C. to C. see detail sketch

Subst.

Plate strap .70

Face bar continuous

Tank Top longitudinals 7 1/2' x .42-.38 B.A.

Tank Top .4-.36. No Ceiling. Increased in way of hatches.

Sketch of Supports.
8' x 3 1/2' x .40 o.a.

38 to 7' x 3' x .38 B.A.

Guides under engines

I.A.C. .5-.40

3 1/2' x 3 1/2' x .5-.46

Center Guides Water Tight in Nos 2+3 Holds and in Engine Room.

93' x .5-.4

Double 5' x 5' x .44

4 1/2' x 4 1/2' x .6-.54

Margin plate fitted in vertically between Main Transverses

Main Transverse Connections .62' x .46 Bottom Plating

Midship thickness maintained to Collision Bulkhead in flat of bottom.

Plating not further reduced in Double bottom.

47' x .46-.68

Double 5' x 5' x .44

Intermediate floor.

C.B.
10.9.10.

C.T.
9.9.10.

No 178.

Neuen Aufen-Gesellschaft "Weser"
Bremen.

Builder's No.
101.60
Hull No. 101.60

W151-014



Main Boiler
N 178

Steintenn
Bom 22.

RETAIN

6'3 1/2" off horizontal
at least 18"

lowest water level

W 1599-0197



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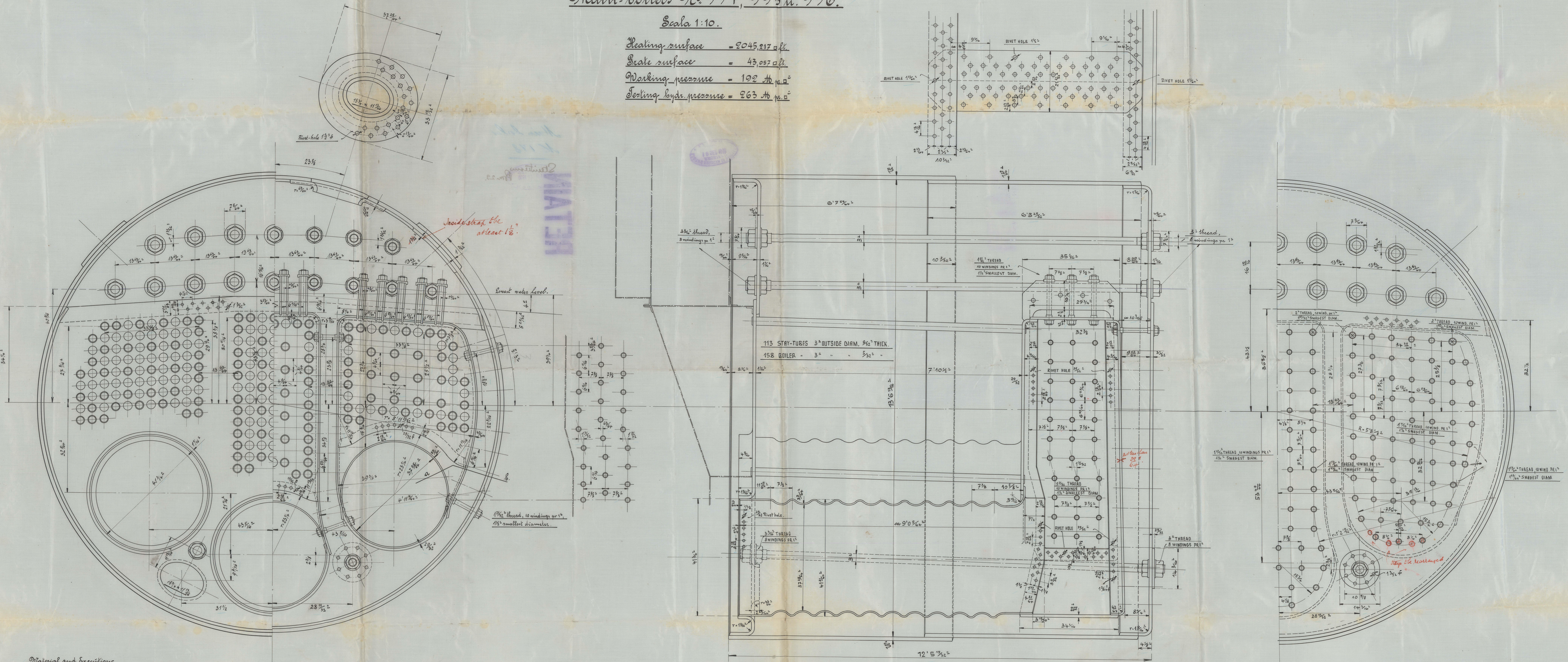
Lloyd's Register
Foundation

Steamer No. 178. Built by Act. Ges. "Weser" Bremen. Main-boilers No. 994, 995 u. 996.

22/9/10.

Scale 1:10.

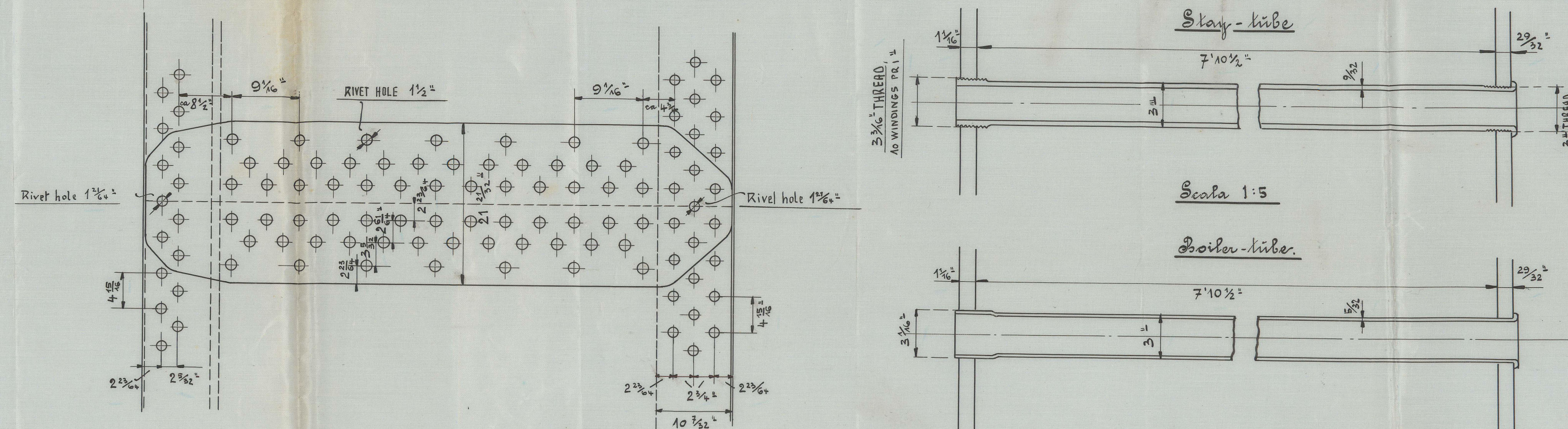
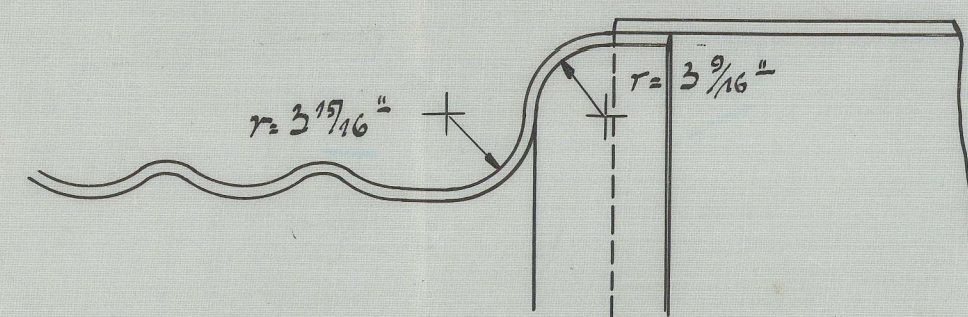
Heating surface = 204521.7 sq ft
 Grate surface = 43,057 sq ft
 Working pressure = 192 lb per sq in.
 Testing hydr. pressure = 263 lb per sq in.



Material and Execution.

The material of all plates is Siemens-Martin steel.
 Shell-plates, butt straps and girders are to have a tensile strength from 27,0 to 33 tons per sq. in., elongation not less than 22 to 30% in a length of 8 inches.
 The corrugated flanges and the other plates are to have a tensile strength from 22,0 to 26 tons per sq. in., elongation not less than 26 to 24% in a length of 8 inches.
 The material of the boiler-stays and rivets is Siemens-Martin steel, they are to have a tensile strength from 21,6 to 26 tons per sq. in., elongation not less than 26%.
 The stay-balls are of fine-grained iron and are to have a tensile strength from 22,2 to 25 tons per sq. in., elongation not less than 20%.
 The stay- and fire-tubes are steel-tubes.
 The stay-tubes are secured on both ends into the tube-plates, expanded and riveted only on the back end.
 The boiler-tubes are expanded on both ends and riveted only on the back end.
 The stays are secured into the plates and provided with nuts and washers.
 The longitudinal seams of the shell-plate, the circumferential seams and the back bottom of the combustion chamber riveted hydraulic.
 All rivet-holes are drilled.

Section a-b



A.P.R.
 20. 9. 10
 Jh.

W1599-0197

178

Heintzmann, Born. 22



Exhibition

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Lloyd's Register
Foundation

W1599-0194

Steamer No 178.

Built by Act. Ges. „Weser“ Bremen.

Donkey-boiler No 997.

Scala 1:10.

Heating-surface = 1076.43 sq. ft.

Grate-surface = 45.21 sq. ft.

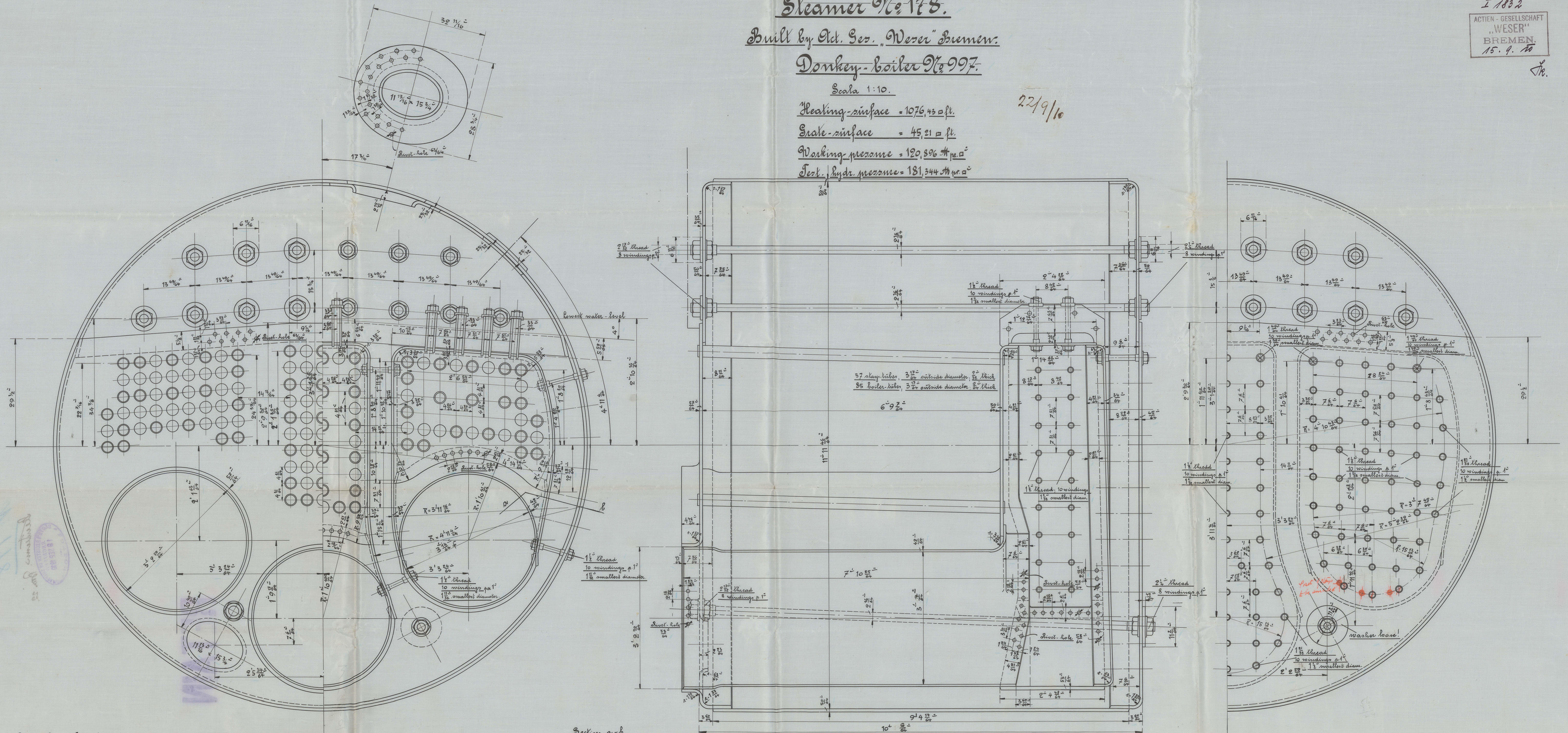
Working-pressure = 120.896 #/sq. in.

Test. hydr. pressure = 181.344 #/sq. in.

I 1892

ACTIEN-GESELLSCHAFT
„WESER“
BREMEN.
15. 9. 10

Jf.



Section a-b

Material and Execution:

The Material of all plates is Siemens-Martin steel.

Shellplate, butt straps and girders are to have a tensile strength from 27.9 to 33 tons per sq. in., elongation not less than 22 to 20% in a length of 5 inches.

The furnaces and the other plates are to have a tensile strength from 27.9 to 26.7 tons per sq. in., elongation not less than 26 to 24% in a length of 5 inches.

The material of the boiler-stays and rivets is Siemens-Martin steel, they are to have a tensile strength from 21.6 to 26 tons per sq. in., elongation not less than 25 %

The stay-bolts are of fine-grained iron and are to have a tensile strength from 22.5 to 25.4 tons per sq. in., elongation not less than 20 %.

The stay- and fire-tubes are steel tubes.

The stay-tubes are screwed on both ends into the tube-plates, expanded and riveted only on the back-end.

The boiler-tubes are expanded on both ends and riveted only on the back-end.

The stays are screwed into the plates and provided with nuts and washers.

The longitudinal seam of the shellplate and the circumferential seams of the front-plates are riveted hydr.

All rivet-holes are drilled.

A.P.R.
20. 9. 10
Jf.